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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/863,194	05/23/2001	Jonathan Lee Hanmann	K35A0897	9658
26332	7590	07/30/2004	EXAMINER	
WESTERN DIGITAL CORP. 20511 LAKE FOREST DRIVE C205 - INTELLECTUAL PROPERTY DEPARTMENT LAKE FOREST, CA 92630			JACOBS, LASHONDA T	
			ART UNIT	PAPER NUMBER
			2157	

DATE MAILED: 07/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/863,194	HANMANN ET AL.
	Examiner LaShonda T Jacobs	Art Unit 2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 23 May 2001.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-36 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 23 May 2001 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION***Drawings***

1. Figure 2 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: note reference numeral 4 of Figure 2. Corrected drawing sheets, or amendment to the specification to add the reference character(s) in the description, are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities: Applicants need to provide the serial number for Cross Reference to Related Applications and Patents.

Appropriate correction is required.

Claim Objections

4. The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must

not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

Misnumbered claims 8-37 have been renumbered as 7-36 respectively.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims **1-36** are rejected under 35 U.S.C. 103(a) as being unpatentable over Hunt et al (hereinafter, "Hunt", 6,253,234) in view of Gong.

As per claims **1, 13 and 25**, Hunt discloses a method and computer program of operating a mobile terminal comprising a local memory and a screen, the method comprising the steps of:

- receiving a plurality of web pages and storing the web pages in the local memory, wherein at least one of the web pages comprises a plurality of links and at least one of the links identifies a web page at least partially cached in the local memory (col. 7, lines 25-50).

However, hunt does not explicitly discloses:

- determining a cache status of each web page identified by each link; and
- evaluating the cache status to control the display of the links of a web page on the screen of the mobile terminal.

Gong discloses a method for providing visual status indications of currently displayed web pages including:

- determining a cache status of each web page identified by each link (abstract and col. 4, lines 1-6); and

- evaluating the cache status to control the display of the links of a web page on the screen of the mobile terminal (col. 6, lines 16-33).

Given the teaching of Gong, it would have been obvious to one of ordinary skill in the art to modify Hunt by including status indicators for each page located within the cache in order to display the status of each page to user thereby allowing the user to refresh or reload the page according the status indicators in a timely and efficient manner.

As per claims **2, 14 and 26**, Hunt discloses:

- a first one of the links identifies a web page substantially cached in the local memory (col. 5, lines 39-58 and col. 7, lines 25-50);
- a second one of the links identifies a web page not substantially cached in the local memory (col. 7, lines 62-67 and col. 8, lines 1-15);
- the first link is displayed to indicate the web page identified by the first link is substantially cached in the local memory (col. 5, lines 39-58 and col. 7, lines 25-50); and
- the second link is displayed to indicate the web page identified by the second link is not substantially cached in the local memory (col. 7, lines 62-67 and col. 8, lines 1-15).

As per claims **3, 16 and 27**, Hunt discloses the invention substantially as claimed as discussed above.

However, Hunt does not explicitly disclose:

- wherein the step of evaluating the cache status comprises the step of omitting links in the displayed web page that identify web pages not substantially cached in the local memory.

Gong discloses a method for providing visual status indications of currently displayed web pages including:

- wherein the step of evaluating the cache status comprises the step of omitting links in the displayed web page that identify web pages not substantially cached in the local memory (col. 4, lines 16-26).

Given the teaching of Gong, it would have been obvious to one of ordinary skill in the art to modify Hunt by including status indicators for each page located within the cache in order to evaluate the status of each page to a user thereby allowing the user to refresh or reload the page according the status indicators in a timely and efficient manner.

As per claims **4, 17 and 28**, Hunt discloses the invention substantially as claimed as discussed above.

However, Hunt does not explicitly disclose:

- wherein the step of evaluating the cache status comprises the step of displaying the links in a manner that identifies web pages not substantially cache in the local memory.

Gong discloses a method for providing visual status indications of currently displayed web pages including:

- wherein the step of evaluating the cache status comprises the step of displaying the links in a manner that identifies web pages not substantially cache in the local memory (col. 4, lines 1-15).

Given the teaching of Gong, it would have been obvious to one of ordinary skill in the art to modify Hunt by including status indicators for each page located within the cache in order to evaluate the status of each page to a user thereby allowing the user to refresh or reload the page according the status indicators in a timely and efficient manner.

As per claims **5, 18 and 29**, Hunt discloses the invention substantially as claimed as discussed above:

However, Hunt does not explicitly disclose:

- wherein the step of evaluating the cache status comprises the step of displaying the links in a manner that identifies web pages not substantially cached in the local memory and an availability of a connection to download the web pages from the Internet.

Gong discloses a method for providing visual status indications of currently displayed web pages including:

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- wherein the step of evaluating the cache status comprises the step of displaying the links in a manner that identifies web pages not substantially cached in the local memory and an availability of a connection to download the web pages from the Internet.
- (col. 4, lines 16-26).

Given the teaching of Gong, it would have been obvious to one of ordinary skill in the art to modify Hunt by including status indicators for each page located within the cache in order to evaluate the status of each page to a user thereby allowing the user to refresh or reload the page according the status indicators in a timely and efficient manner.

As per claims **6, 19** and **30**, Hunt discloses wherein:

- the step of receiving the plurality of web pages occurs during synchronization session with a target computer (col. 7, lines 25-37); and
- the step of controlling the display of the links of a web page on the screen of the mobile terminal occurs during an off-line browsing session (col. 7, lines 25-50).

As per claims **7, 20** and **31**, Hunt discloses:

- wherein the step of controlling the display of the links of a web page on the screen of the mobile terminal occurs during an on-line browsing session (col. 7, lines 25-50).

As per claims **8, 21** and **32**, Hunt discloses:

- wherein the cache status of web page indicates an extent that subordinate web pages are cached in the local memory (col. 5, lines 39-58 and col. 7, lines 25-50).

As per claims **9, 22** and **33**, Hunt discloses:

- wherein the number of subordinate web pages is determined by traversing web pages linked to the web page identified by a link (col. 7, lines 63-67 and col. 8, lines 1-15).

As per claims **10, 23** and **34**, Hunt discloses:

- wherein the extent that subordinate web pages are cached in the local memory is determined relative to a link-depth configured for synchronization session (col. 7, lines 63-67 and col. 8, lines 1-15).

As per claims **11, 24** and **35**, Hunt discloses wherein:

- web page content is associated with at least one of the links (col. 6, lines 24-33); and
- the step of controlling the display of the links of a web page on the screen of the mobile terminal further includes the step of controlling the display of the associated web page content (col. 7, lines 25-50).

As per claims **12, 25** and **36**, Hunt discloses:

- wherein the step of controlling the display of the associated web page content comprises the step of omitting the associated web page content (col. 6, lines 38-55).

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6,650,889 to Evans et al

U.S. Pat. No. 6,185,608 to Hon et al

U.S. Pat. No. 6,366,947 to Kavner

U.S. Pat. No. 6,349,326 to Lam

U.S. Pat. No. 6,169,897 to Kariya

U.S. Pat. No. 6,404,446 to Bates et al

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T Jacobs whose telephone number is 703-305-7494. The examiner can normally be reached on 8:30 A.M.-5:00 P.M..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 703-308-7562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LaShonda T Jacobs
Examiner
Art Unit 2157

ltj
July 23, 2004



SALEH NAJJAR
PRIMARY EXAMINER